

BBNA Energy Efficiency & Conservation Project Summary

2010-2012

PROJECT DESCRIPTION:

The Bristol Bay Native Association submitted a joint application to the U.S. Department of Energy on behalf of 14 Tribes in the region for education, energy audits and retrofits on Tribally-owned buildings and homes.

TECHNICAL SUPPORT:

The Alaska Building Science Network provided technical support for audits and retrofits, including field work supervision, training of local labor, procurement, and shipping of building materials.



<http://akbuildingsciencenetwork.org/>

PROJECT CONTACT:

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- 52 buildings audited
- 34 buildings retrofitted using local labor
- 23 homes retrofitted for lighting
- 41 local workshops & training sessions held
- 788 "Energy Savers Tips for Alaska" booklets distributed
- "Energy Efficiency, the First Step to Renewable Energy" Conference
- 282 Fluorescent T8 Lamps & Electronic Ballasts installed
- 165 Compact Fluorescent Light Bulbs installed
- 606 LED A19 Light Bulbs distributed & LED Exterior Fixtures installed
- Upgraded attic Insulation, Air Leaks sealed
- Security Motion & Occupancy Sensors installed
- Toyo Stoves & Programmable Thermostats installed
- Doors & Windows replaced

ANNUAL ENERGY SAVED

104,191 kWh (\$52,644)

11,290 Gallons Fuel Displaced (\$62,800)

\$115,444 Total Savings

4.42 Years Simple Payback (average)